

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-12 (canceled).

13. (Previously Amended) A planographic printing press, comprising:
a mounting section which mounts an original printing plate having photo catalyst power;
a processing section which hydrophobically processes the entire surface of said original plate on which a layer of a hydrophobic substance is provided;

an activation light irradiation section which irradiates activation light one of on said original printing plate carrying the layer of said hydrophobic substance as per image and on the entire surface thereof;

means for heating said original plate during irradiating said activation light so that the temperature of the surface of said original plate becomes 40 through 200°C one of as per image and on the entire surface thereof, so that a hydrophobic area and a hydrophilic area are formed on said original plate;

a section which supplies ink to said hydrophobic area and which supplies a damping solution to said hydrophilic area; and

a printing section which prints by bringing a printing surface, on which said hydrophobic area accepts the ink and said hydrophilic area accepts the damping solution, into contact with a surface to be printed.

14. (Previously Amended) The planographic printing press according to Claim 13, wherein said heating means includes a heating device for heating said original printing plate by irradiating light for maintaining the surface of said original printing plate at a predetermined temperature.

15. (Previously Amended) The planographic printing press according to Claim 13, wherein said heating means includes a heating device for heating said original printing plate by electric heating for maintaining the surface of said original printing plate at a predetermined temperature.

16. (Previously presented) The planographic printing press according to claim 13, wherein the mounting section comprises a plate cylinder.

17. (Previously presented) The planographic printing press according to claim 16, wherein the heating means is provided inside the plate cylinder.

18. (Previously presented) The planographic printing press according to claim 13, wherein the processing section comprises an electric heater and a temperature controller.

19. (Previously presented) The planographic printing press according to claim 13, wherein the activation light irradiation section comprises a mercury lamp as a light source for the activation light.

20. (Previously presented) The planographic printing press according to claim 13, wherein the activation light contains ultraviolet ray components.

21. (Previously presented) The planographic printing press according to claim 13, wherein the activation light irradiation section comprises a laser beam source for emitting a laser beam and a laser beam source driving section.

22. (Previously presented) The planographic printing press according to claim 21, wherein the laser beam is a helium cadmium laser.

23. (Previously presented) The planographic printing press according to claim 17, wherein the heating means comprises an electro-thermal heater.

24. (Previously presented) The planographic printing press according to claim 17, wherein the heating means comprises a tungsten halogen lamp.

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25. (Previously presented) The planographic printing press according to claim 17,
wherein the heating means comprises a heater and a heating roller.

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AMENDMENTS TO THE DRAWINGS

Applicant is concurrently submitting substitute formal drawings for Figs. 4 and 5, as approved by the Examiner.

Attachment: Two (2) Replacement Sheets